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DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE
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NATIONAL INSTITUTE OF
ENVIRONMENTAL HEALTH SCIENCES
P.O. BOX 12233
RESEARCH TRIANGLE PARK, N.C. 27709

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December 7, 1973

Academician N. P. Dubinin
Academy of Sciences of the USSR
Profsoyuznaya ul. 7 (I)
Moscow, II 7312
USSR

Dear Academician Dubinin:

Enclosed you will find a tentative program for our joint USSR-US Symposium on "The Potential Genetic Effects of Environmental Pollutants, on Man," which is to be held in Moscow and Kiev from February 18 through March 1, 1974. I have tried to find speakers to address themselves to the three main areas that you suggested during our meeting in Washington on November 13-16, 1973. The titles are tentative and may be modified somewhat by the speakers when they prepare their papers.

I have contacted all speakers except Dr. Schull who is in Chile; if he cannot attend, I have an alternate lined up to cover the material in this important topic area.

We are getting the necessary clearances and visas for the US participants to travel to Russia as well as preliminary travel arrangements. It is possible for us to leave New York on Friday, February 15, and to arrive in Moscow on Saturday afternoon. This would allow for a day's recuperation from the long trip before starting the Symposium on Monday. It would be helpful for me to have a more detailed information on the organization of the Symposium and the institutes which you propose that we visit. We would also like to have a list of the Russian speakers, affiliations and titles of their papers.

In my letter to the US participants I have asked them to prepare an abstract of their presentation by January 11, 1974, which I will send to you immediately so that you can prepare an abstract booklet which can be distributed at the Symposium. I hope this will provide sufficient time for translation of these abstracts and publication. In line with our discussion, I have also asked each participant to prepare a manuscript

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Academician N. P. Dubinin

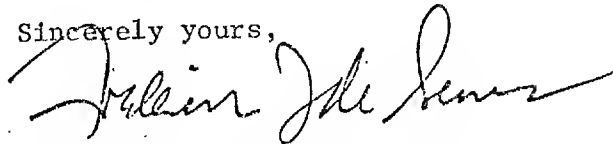
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based on his presentation that can be published by you in a Russian journal so that we can reach an even wider audience in Russia about these new and important problems. I have asked for these manuscripts by February 1, 1974, or at the very latest at the time of the Symposium. This will not only ensure rapid publication but will also ensure accurate translation of these papers into Russian during the Symposium.

It was a pleasure to see you again in Washington, and I do hope you had an enjoyable and stimulating trip to California in November.

With my best wishes for the Holiday Season and New Year,

Sincerely yours,

A handwritten signature in dark ink, appearing to read "Frederick J. de Serres", written in a cursive style.

Frederick J. de Serres, Ph.D.
Chief, Environmental Mutagenesis Branch

Enclosure

THE POTENTIAL GENETIC EFFECTS
OF ENVIRONMENTAL POLLUTANTS ON MAN

Moscow and Kiev, USSR
February 18 - March 1, 1974

I. INTRODUCTION

Environmental Mutagenesis - A New Toxicological Problem for Man,
Alexander Hollaender, Oak Ridge National Laboratory, Oak Ridge, Tennessee

II. DEVELOPMENT OF ASSAY SYSTEMS TO SCREEN ENVIRONMENTAL POLLUTANTS FOR
MUTAGENIC ACTIVITY

Microbial Assay Systems for Detection of Mutagenic Activity,
F. J. de Serres, NIEHS-NIH, Research Triangle Park, North Carolina

Induction of Gene Mutations in Human Cells in Culture, Robert DeMars,
University of Wisconsin, Madison, Wisconsin

In Vivo and In Vitro Assays for Chromosome Aberrations in Mammalian
Cells in Culture, Warren Nichols, Institute for Medical Research,
Camden, New Jersey

Mammalian Assay Systems to Detect Mutagenic Activity of Environmental
Pollutants, William Sheridan, NIEHS-NIH, Research Triangle Park,
North Carolina

The Tier System for Mutagenicity Testing, W. Gary Flamm, Food and Drug
Administration, Washington, D. C.

III. IDENTIFICATION OF MUTAGENIC ENVIRONMENTAL POLLUTANTS

Assays of Environmental Chemical Pollutants for Mutagenic Activity
in *Drosophila*, Seymour Abrahamson, University of Wisconsin, Madison,
Wisconsin

Increased Somatic Mutation Rates Induced by Specific Air Pollutants
and Chemical Mutagens in *Tradescantia*, Arnold Sparrow, Brookhaven
National Laboratory, Upton, New York

Environmental Chemicals Known to Possess Mutagenic Activity, John Wassom,
Oak Ridge National Laboratory, Oak Ridge, Tennessee

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IV. CONSEQUENCES OF INCREASED EXPOSURE TO MUTAGENIC ENVIRONMENTAL CHEMICAL POLLUTANTS FOR MAN

Monitoring the Human Population to Determine the Genetic Load in Man,
Arno Motulsky, University of Washington, Seattle, Washington

Medical Implications of an Increase in the Genetic Load as a Result
of Exposure to Mutagenic Environmental Pollutants, W. J. Schull,
University of Texas, Houston, Texas